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1 [Computing curricula 2001](#)

 September 2001 **Journal on Educational Resources in Computing (JERIC)**

 Full text available: [pdf\(613.63 KB\)](#)
[html\(2.78 KB\)](#)

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2 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(4.21 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 [Proceedings of the SIGNUM conference on the programming environment for development of numerical software](#)

 March 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue 1

 Full text available: [pdf\(5.02 MB\)](#)

 Additional Information: [full citation](#)

4 [A software engineering perspective on algorithmics](#)

Karsten Weihe

 March 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 1

 Full text available: [pdf\(1.62 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

An algorithm component is an implementation of an algorithm which is not intended to be a stand-alone module, but to perform a specific task within a large software package or even within several distinct software packages. Therefore, the design of algorithm components must also incorporate software-engineering aspects. A key design goal is adaptability. This